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				First Named Inventor	SHIN, HYUN-OH	
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			U. S. PATENT D	OCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Document Number  Number-Kind Code <sup>2 (5 known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> ( <i>if known</i> )	MM-DD-YYYY			۲,
	01	JP 09-156848	06-17-1997	Takeshi		
	02	JP 54-106191	08-20-1979	Toyozo et al.		
	03	KR 1020000038125	07-05-2000	Kim et al.		
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